

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/588, 298
Source: IFWP
Date Processed by STIC: 6/17/2006

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/588, 298

CRF Edit Date: 8/17/2006
Edited by: DA

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

— Deleted: invalid beginning/end-of-file text ; page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

— Other:



IFWP

RAW SEQUENCE LISTING DATE: 08/17/2006
PATENT APPLICATION: US/10/588,298 TIME: 16:15:46

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\08172006\J588298.raw

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/588,298

DATE: 08/17/2006
TIME: 16:15:46

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\08172006\J588298.raw

60	Trp	Thr	Arg	Asn	Ala	Leu	Glu	Tyr	Tyr	Val	Val	Asp	Asn	Trp	Gly		
61	70					75				80							
63	aca	tac	cgg	cca	acc	gga	aca	tac	aaa	ggc	aca	gtt	acc	agt	gat	ggt	384
64	Thr	Tyr	Arg	Pro	Thr	Gly	Thr	Tyr	Lys	Gly	Thr	Val	Thr	Ser	Asp	Gly	
65	85					90				95			100				
67	ggc	aca	tat	gac	atc	tat	act	acg	atg	aga	tac	aat	cag	cca	tcc	att	432
68	Gly	Thr	Tyr	Asp	Ile	Tyr	Thr	Thr	Met	Arg	Tyr	Asn	Gln	Pro	Ser	Ile	
69						105				110			115				
71	gac	ggg	tat	tca	aca	ttc	ccg	caa	tac	tgg	agt	gtt	aga	caa	tcc	aaa	480
72	Asp	Gly	Tyr	Ser	Thr	Phe	Pro	Gln	Tyr	Trp	Ser	Val	Arg	Gln	Ser	Lys	
73						120				125			130				
75	cgt	cca	atc	ggt	gta	aat	tcc	caa	att	acg	ttc	cag	aat	cac	gta	aat	528
76	Arg	Pro	Ile	Gly	Val	Asn	Ser	Gln	Ile	Thr	Phe	Gln	Asn	His	Val	Asn	
77						135				140			145				
79	gcg	tgg	gco	agc	aag	ggc	atg	tac	ttg	ggt	aac	agc	tgg	tcc	tat	caa	576
80	Ala	Trp	Ala	Ser	Lys	Gly	Met	Tyr	Leu	Gly	Asn	Ser	Trp	Ser	Tyr	Gln	
81						150				155			160				
83	gtg	atg	gcc	acc	gaa	gga	tat	caa	agt	acg	ggt	agt	tgc	aat	gtg	act	624
84	Val	Met	Ala	Thr	Glu	Gly	Tyr	Gln	Ser	Ser	Gly	Ser	Ser	Asn	Val	Thr	
85	165					170				175			180				
87	gtt	tgg														630	
88	Val	Trp															
92	<210>	SEQ	ID	NO:	2												
93	<211>	LENGTH:	210														
94	<212>	TYPE:	PRT														
95	<213>	ORGANISM:	Paenibacillus	pabuli													
97	<400>	SEQUENCE:	2														
99	Met	Phe	Lys	Phe	Gly	Lys	Lys	Leu	Leu	Thr	Val	Val	Leu	Ala	Ala	Ser	
100								-25		-20				-15			
103	Met	Ser	Phe	Gly	Val	Phe	Ala	Ala	Thr	Thr	Gly	Ala	Thr	Asp	Tyr	Trp	
104								-10		-5			-1	1			
107	Gln	Asn	Trp	Thr	Asp	Gly	Gly	Gly	Thr	Val	Asn	Ala	Val	Asn	Gly	Ser	
108	5					10				15			20				
111	Gly	Gly	Asn	Tyr	Ser	Val	Asn	Trp	Gln	Asn	Thr	Gly	Asn	Phe	Val	Val	
112						25				30			35				
115	Gly	Lys	Gly	Trp	Thr	Tyr	Gly	Thr	Pro	Asn	Arg	Val	Val	Asn	Tyr	Asn	
116						40				45			50				
119	Ala	Gly	Val	Phe	Ser	Pro	Ser	Gly	Asn	Gly	Tyr	Leu	Thr	Phe	Tyr	Gly	
120						55				60			65				
123	Trp	Thr	Arg	Asn	Ala	Leu	Ile	Glu	Tyr	Tyr	Val	Val	Asp	Asn	Trp	Gly	
124						70				75			80				
127	Thr	Tyr	Arg	Pro	Thr	Gly	Thr	Tyr	Lys	Gly	Thr	Val	Thr	Ser	Asp	Gly	
128	85					90				95			100				
131	Gly	Thr	Tyr	Asp	Ile	Tyr	Thr	Thr	Met	Arg	Tyr	Asn	Gln	Pro	Ser	Ile	
132						105				110			115				
135	Asp	Gly	Tyr	Ser	Thr	Phe	Pro	Gln	Tyr	Trp	Ser	Val	Arg	Gln	Ser	Lys	
136						120				125			130				
139	Arg	Pro	Ile	Gly	Val	Asn	Ser	Gln	Ile	Thr	Phe	Gln	Asn	His	Val	Asn	
140						135				140			145				

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Input Set : A:\pto.da.txt
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143 Ala Trp Ala Ser Lys Gly Met Tyr Leu Gly Asn Ser Trp Ser Tyr Gln
144 150 155 160
147 Val Met Ala Thr Glu Gly Tyr Gln Ser Ser Gly Ser Ser Asn Val Thr
148 165 170 175 180
151 Val Trp
155 <210> SEQ ID NO: 3
156 <211> LENGTH: 48
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Primer oth62
163 <400> SEQUENCE: 3
164 gttcatcgat cgcatcggtt acagattact ggcagaactg gacagatg 48
167 <210> SEQ ID NO: 4
168 <211> LENGTH: 49
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Primer oth63
175 <400> SEQUENCE: 4
176 ggagcggtt gaacatgcga ttaccaaaca gtcacattcg aactaccgc 49
179 <210> SEQ ID NO: 5
180 <211> LENGTH: 21
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Primer 260558
187 <400> SEQUENCE: 5
188 gagtatcgcc agtaagggc g 21
191 <210> SEQ ID NO: 6
192 <211> LENGTH: 20
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Primer UpN 1361
199 <400> SEQUENCE: 6
200 agccgatgcg atcgatgaac 20
203 <210> SEQ ID NO: 7
204 <211> LENGTH: 23
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Primer 260559
211 <400> SEQUENCE: 7
212 gcagccctaa aatcgataa agc 23
215 <210> SEQ ID NO: 8
216 <211> LENGTH: 23
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/588,298

DATE: 08/17/2006
TIME: 16:15:46

Input Set : A:\pto.da.txt
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220 <220> FEATURE:
221 <223> OTHER INFORMATION: Primer DwC 1361
223 <400> SEQUENCE: 8
224 taatcgatg ttcaatccgc tcc

23

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/17/2006
PATENT APPLICATION: US/10/588,298 TIME: 16:15:47

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\08172006\J588298.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/588,298

DATE: 08/17/2006

TIME: 16:15:47

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08172006\J588298.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing,
for reference only**



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/588,298

DATE: 08/10/2006
TIME: 09:51:39

Input Set : A:\01-SQ Listing-15 Aug 2006.txt
Output Set: N:\CRF4\08102006\J588298.raw

3 <110> APPLICANT: Duffner, Fiona
4 Hoff, Tine
5 Lundquist, Henrik
6 Spendler, Tina
8 <120> TITLE OF INVENTION: Xylanase
10 <130> FILE REFERENCE: 10582-204-US
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/588,298
C--> 12 <141> CURRENT FILING DATE: 2006-08-03
12 <160> NUMBER OF SEQ ID NOS: 8
14 <170> SOFTWARE: PatentIn version 3.3

Does Not Comply
Corrected Diskette Needed
(pg-1)

ERRORED SEQUENCES

215 <210> SEQ ID NO: 8
216 <211> LENGTH: 23
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Primer DwC 1361
223 <400> SEQUENCE: 8
224 taatcgcatg ttcaatccgc tcc

E--> 230 4

4
deleted

23

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/10/2006
PATENT APPLICATION: US/10/588,298 TIME: 09:51:40

Input Set : A:\01-SQ Listing-15 Aug 2006.txt
Output Set: N:\CRF4\08102006\J588298.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/588,298

DATE: 08/10/2006

TIME: 09:51:40

Input Set : A:\01-SQ Listing-15 Aug 2006.txt
Output Set: N:\CRF4\08102006\J588298.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:230 M:254 E: No. of Bases conflict, this line has no nucleotides.